

Form PTO-1449 (Modified)		Application No.	09/864,093
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		Filing Date	05/21/2001
		First Named Inventor	Clark et al.
		Group Art Unit	2633
		Examiner Name	
Sheet 1 of 8		Attorney Docket No.	70651

U.S. PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	U.S. PATENT DOCUMENT		NAME OF INVENTOR OR APPLICANT	DATE OF ISSUANCE OR PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	FILING DATE
			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AA		09/823,175 (with Preliminary Amendment filed 7/25/01)		Willebrand				03/29/2001
	AB		09/849,613		Willebrand et al.				05/04/2001
	AC		09/482,782		Willcbrand et al.				01/13/2000
	AD		6,239,888	B1	Willebrand	05/29/2001			04/24/1998
	AE		6,219,363	B1	Fix et al.	04/17/2001			04/29/1999
	AF		6,122,084		Britz et al.	09/19/2000			03/03/1998
	AG		6,049,593		Acampora	04/11/2000			12/19/1997
	AH		6,014,236		Flaherty	01/11/2000			02/04/1997
	AI		5,995,253		Flaherty	11/30/1999			02/04/1997
	AJ		5,983,068		Tomich et al.	11/9/1999			02/29/1996
	AK		5,978,118		Flaherty	11/02/1999			02/04/1997
	AL		5,966,229		Dodley et al.	10/12/1999			06/18/1997
	AM		5,946,120		Chen	08/31/1999			05/30/1997
	AN		5,917,629		Hortensius et al.	06/29/1999			10/29/1990
	AO		5,859,725		Sugiya et al.	01/12/1999			01/12/1999
	AP		5,844,705		Rutledge	12/01/1998			02/13/1997
	AQ		5,838,470		Radehaus et al.	11/17/1998			06/04/1997
	AR		5,818,619		Medved et al.	10/06/1998			06/13/1996

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			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	AS		5,786,923		Doucet et al.	07/28/1998			03/29/1996
	AT		5,778,116		Tomich	07/07/1998			01/23/1997
	AU		5,777,768		Korevaar	07/07/1998			08/29/1996
	AV		5,764,677		Scheps	06/09/1998			12/14/1995
	AW		5,748,813		Cassidy et al.	05/05/1998			07/28/1993
	AX		5,661,582		Kintis et al.	08/26/1997			10/26/1995
	AY		5,659,413		Carlson	08/19/1997			02/28/1995
	AZ		5,654,816		Fishman	08/05/1997			06/06/1996
	BA		5,606,444		Johnson et al.	02/25/1997			10/20/1994
	BB		5,596,661		Henry et al.	01/21/1997			12/28/1994
	BC		5,588,015		Yang	12/24/1996			08/22/1995
	BD		5,587,830		Chraplyvy et al.	12/24/1996			05/28/1993
	BE		5,574,589		Feuer et al.	11/12/1996			01/09/1995
	BF		5,526,161		Suzuki et al.	06/11/1996			06/20/1994
	BG		5,475,520		Wissinger	12/12/1995			06/22/1994
	BH		5,465,170		Arimoto	11/07/1995			01/19/1994
	BI		5,457,562		Tremblay	10/10/1995			05/20/1994
	BJ		5,452,124		Baker	09/19/1995			03/04/1994
	BK		5,448,391		Iriyama et al.	09/05/1995			06/29/1993
	BL		5,443,227		Hsu	08/22/1995			10/15/1993
	BM		5,416,864		Cassidy et al.	05/16/1995			11/20/1991

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			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
BN			5,416,627		Wilmoth	05/16/1995			04/24/1992
BO			5,410,147		Riza et al.	04/25/1995			08/20/1992
BP			5,400,166		Huber	03/21/1995			10/20/1992
BQ			5,394,489		Koch	02/28/1995			07/27/1993
BR			5,390,040		Mayeux	02/14/1995			02/04/1994
BS			5,384,652		Allen et al.	1/24/1995			01/06/1993
BT			5,371,734		Fischer	12/06/1994			01/29/1993
BU			5,359,446		Johnson et al.	10/25/1994			09/10/1992
BV			5,353,294		Shigeno	10/04/1994			09/30/1992
BW			5,331,449		Huber et al.	07/19/1994			03/15/1993
BX			5,311,535		Karpinski	05/10/1994			07/28/1992
BY			5,301,054		Huber et al.	04/05/1994			01/14/1993
BZ			5,267,010		Kremer et al.	11/30/1993			05/31/1991
CA			5,247,381		Olmstead et al.	09/21/1993			05/20/1992
CB			5,223,781		Criswell et al.	06/29/1993			03/08/1990
CC			5,221,983		Wagner	06/22/1993			01/19/1989
CD			5,218,467		Ross et al.	06/08/1993			12/28/1990
CE			5,218,356		Knapp	06/08/1993			05/31/1991
CF			5,210,631		Huber et al.	05/11/1993			12/22/1989
CG			5,200,631		Austin et al.	04/06/1993			08/06/1991

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CH			5,185,814		Healey	02/09/1993			07/13/1990
CI			5,185,758		Fan et al.	02/09/1993			01/07/1992
CJ			5,142,400		Solinsky	08/25/1992			05/28/1991
CK			5,083,874		Aida et al.	01/28/1992			04/10/1990
CL			5,068,916		Harrison et al.	11/26/1991			10/29/1990
CM			5,060,303		Wilmoth	10/22/1991			09/06/1988
CN			5,019,768		Criswell et al.	05/28/1991			02/11/1988
CO			5,005,937		Aida et al.	04/09/1991			04/10/1990
CP			4,975,926		Knapp	12/04/1990			03/30/1989
CQ			4,932,775		Wissman et al.	06/12/1990			11/21/1988
CR			4,922,502		Unternahrer et al.	05/01/1990			06/29/1988
CS			4,826,269		Streifer et al.	05/02/1989			10/16/1987
CT			4,823,357		Casey	04/18/1989			11/10/1986
CU			4,794,345		Linford et al.	12/27/1988			02/26/1986
CV			4,773,063		Hunsperger et al.	09/20/1988			11/13/1984
CW			4,761,059		Yeh et al.	08/02/1988			07/28/1986
CX			4,757,268		Abrams et al.	07/12/1988			05/22/1985
CY			4,717,913		Elger	01/05/1988			08/29/1985
CZ			4,689,482		Horikawa et al.	08/25/1987			06/13/1985

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			PATENT, PUB., OR APP. NO.	KIND CODE (if known)					
	DA		4,639,586		Fender et al.	01/27/1987			02/06/1985
	DB		4,630,254		Tscng	12/16/1986			10/26/1984
	DC		4,428,647		Sprague et al.	01/31/1984			11/04/1982
	DD		4,060,769		Mallozzi et al.	11/29/1977			09/20/1974
	DE		3,967,899		O'Meara	07/06/1976			12/30/1974
	DF		3,488,586		Watrous et al.	01/06/1970			06/02/1965

FOREIGN PATENT DOCUMENTS									
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	FOREIGN PATENT DOCUMENT			DATE OF PUBLICATION (MM-DD-YYYY)	CLASS	SUB CLASS	TRANSLATION
			COUNTRY OR OFFICE (two-letter code)	DOCUMENT NO.	KIND CODE (if known)				YES NO
	DG		WO	00/54413	A2	09/14/2000			X
	DH		GB	2 228 385	A	08/22/1990			X

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS						
EXAMINER INITIALS*	CITE NO.	COPY NOT ENCLOSED PER 37 CFR § 1.98(d)	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	DI		G. NYKOLAK et al.; "A 40 Gb/s DWDM Free Space Optical Transmission Link Over 4.4 km"; <i>Free Space Laser Communication Technologies XII; Proceedings of SPIE</i> ; Vol. 3932, pp. 16-20; (2000).			

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	DJ		P. F. SZAJOWSKI et al.; "Key Elements of High-Speed WDM Terrestrial Free-Space Optical Communications Systems"; <i>Free-Space Laser Communication Technologies XII; Proceedings of SPIE</i> ; Vol. 3932, pp. 2-14; (2000).
	DK		R. PAIELLA et al.; "Generation and Detection of High-Speed Pulses of Mid-Infrared Radiation with Intersubband Semiconductor Lasers and Detectors"; <i>IEEE Transactions on Photonics Technology Letters</i> ; Vol. 12, No. 7; pp. 780-782; (July 2000).
	DL		F. G. OMENETTO et al.; "Shaping, Propagation and Characterization of Ultrafast Pulses in Optical Fibers"; <i>Applied Physics B, Lasers and Optics</i> ; pp. 1-6; (2000).
	DM		G. NYKOLAK et al.; "Update on 4x2.5 Gb/s, 4.4km Free-Space Optical Communications Link: Availability and Scintillation Performance"; <i>Part of the SPIE Conference on Optical Wireless Communications II; SPIE</i> ; Vol. 3850; pp. 11-19 (September 1999).
	DN		S. SCHILLER et al.; "Theory of an Optical Parametric Oscillator with Resonant Pump and Signal"; <i>J. Optical Society of America</i> ; Vol. 16, No. 9; pp. 1512-1524; (September 1999).
	DO		P. F. SZAJOWSKI et al.; "High Power Optical Amplifiers Enable 1550 mm Terrestrial Free-Space Optical Data-Links Operating @ WDM 2.5 Gb/s Data Rates"; <i>Part of the SPIE Conference on Optical Wireless Communications II; SPIE</i> ; Vol. 3850; pp. 2-10; (September 1999).
	DP		Y. YASHKIR et al.; "Passively Q-Switched 1.5 -μm Intracavity Optical Parametric Oscillator"; <i>Applied Optics</i> ; Vol. 38, No. 12; pp. 2554-2559; (April 1999).
	DQ		GUILFOYLE et al.; "Free-Space Interconnects for High-Performance Optoelectronic Switching"; <i>Computer; IEEE</i> ; pp. 69-75; (February 1998).
	DR		KIM et al.; "Scintillation Reduction Using Multiple Transmitters"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2990; pp. 102-113; (1997).
	DS		BELMONTE et al.; "Performance of a Multiple-Aperture Optical System"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2699; pp. 316-326; (1996).
	DT		K. E. WILSON et al.; "Preliminary Results of the Ground/Orbiter Lasercomm Demonstration Experiment between Table Mountain and the ETS-VI Satellite"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2699; pp. 121-132 (1996).

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	DU		A. LOURI et al.; "Feasibility Study for a Scalable Optical Interconnection Network for Massively Parallel Processing Systems"; <i>Applied Optics</i> , Vol. 35, No. 8; pp. 1296-1308 (March 10, 1996).
	DV		J. SCHUSTER et al.; "Optomechanical Design of STRV-2 Lasercom Transceiver Using Novel Azimuth/Slant Gimbal"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2699; pp. 227-239 (January 30-31, 1996).
	DW		E. KOREVAAR et al.; "Design of Satellite Terminal for BMDO Lasercom Technology Demonstration"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2381; pp. 60-71 (February 7-8, 1995).
	DX		KUDIELKA et al.; "Experimental Verification of an Adaptive Optical Multi-Aperture Receive Antenna for Laser Space Communications"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2123; pp. 478-483 (1994).
	DY		E. KOREVAAR et al.; "Status of BMDO/IST Lasercom Advanced Technology Demonstration"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 2123; pp. 96-107 (1994).
	DZ		A. S. ACAMPORA; "The Scalable Lightwave Network"; <i>IEEE Communications Magazine</i> ; pp. 36-42 (December 1994).
	EA		C. BRACKETT et al.; "A Scalable Multiwavelength Multihop Optical Network: A Proposal for Research on All-Optical Networks"; <i>Journal of Lightwave Technology</i> , Vol. 11, No. 5/6; pp. 736-753, (May/June 1993).
	EB		E. KOREVAAR et al.; "Status of SDIO/IS&T Lasercom Testbed Program"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 1866; pp. 116-127 (January 20-21, 1993).
	EC		J. H. CHURNSIDE; "Aperture Averaging of Optical Scintillations in the Turbulent Atmosphere"; <i>Applied Optics</i> , Vol. 30, No. 15; pp. 1982-1994 (May 20, 1991).
	ED		W. M. BRUNO et al.; "Diode Laser Spatial Diversity Transmitter"; <i>Society of Photo-Optical Instrumentation Engineers</i> , Vol. 1044; pp. 187-194 (1989).
	EE		A. S. ACAMPORA; "A Multichannel Multihop Local Lightwave Network"; GLOBECOM '87; <i>IEEE</i> ; pp. 1459-1467, (1987).
	EF		D. L. FRIED; "Aperture Averaging of Scintillation"; <i>Journal of the Optical Society of America</i> , Vol. 57, No. 2; pp. 169-175 (February 1967).

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Examiner Signature		Date Considered	
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Application Serial No. 09/864,093
Filed: May 21, 2001
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